

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
25 November 2004 (25.11.2004)

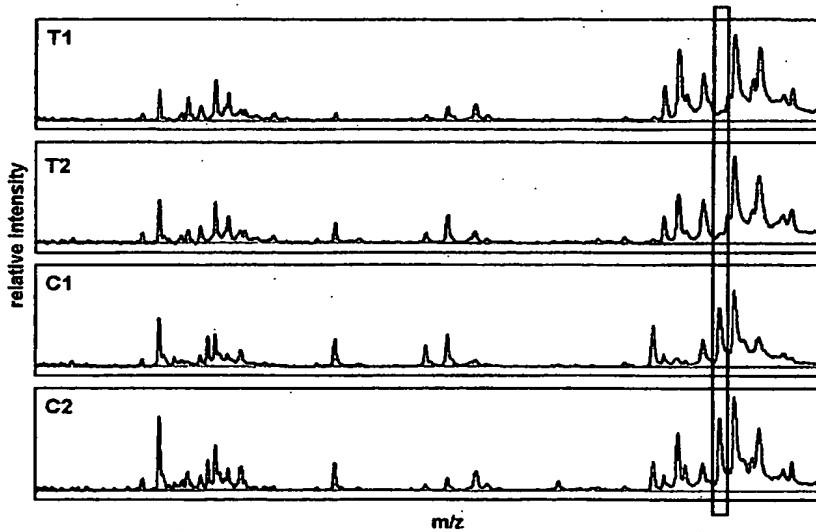
PCT

(10) International Publication Number  
**WO 2004/102189 A1**

- (51) International Patent Classification<sup>7</sup>: G01N 33/48, 33/50
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- (21) International Application Number: PCT/EP2004/005293
- (22) International Filing Date: 17 May 2004 (17.05.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- |            |                               |    |
|------------|-------------------------------|----|
| 03090141.7 | 15 May 2003 (15.05.2003)      | EP |
| 60/472,772 | 23 May 2003 (23.05.2003)      | US |
| 03090153.2 | 23 May 2003 (23.05.2003)      | EP |
| 60/525,583 | 24 November 2003 (24.11.2003) | US |
| 03090401.5 | 24 November 2003 (24.11.2003) | EP |
| 03090460.1 | 30 December 2003 (30.12.2003) | EP |
| 60/534,197 | 2 January 2004 (02.01.2004)   | US |
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW).

{Continued on next page}

(54) Title: BIOMARKERS FOR THE DIFFERENTIAL DIAGNOSIS OF PANCREATITIS AND PANCREATIC CANCER



WO 2004/102189 A1

(57) Abstract: The present invention provides biomolecules and the use of these biomolecules for the differential diagnosis of pancreatitis and/or pancreatic cancer. In particular the present invention provides methods for detecting biomolecules within a test sample as well as a database comprising of mass profiles of biomolecules specific for healthy subjects, subjects having a precancerous lesion of the pancreas, subjects having a pancreatic cancer or a metastasised pancreatic cancer or subjects having pancreatitis. Furthermore, the present invention provides methods for the characterization of said biomolecules using gas phase ion spectrometry. In addition, the present invention provides methods for the identification of said biomolecules provided that they are proteins or polypeptides. The invention further provides kits for the differential diagnosis of pancreatitis or pancreatic cancer.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/005293

**A. CLASSIFICATION OF SUBJECT MATTER**  
**IPC 7 G01N33/48 G01N33/50**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

**IPC 7 G01N**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/23200 A (YIP CHRISTINE ; DOEDE TINA (US); KITAGAWA NORTON (US); PHAM THANG T (U) 21 March 2002 (2002-03-21) page 4, line 7 - line 21	1-19
X	SRINIVAS POTHUR R ET AL: "Proteomics in early detection of cancer" CLINICAL CHEMISTRY, vol. 47, no. 10, October 2001 (2001-10), pages 1901-1911, XP002290258 ISSN: 0009-9147 page 1903, column 2 - page 1906, column 1, line 2	1-19

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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\*& document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
28 July 2004	18/08/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer  Marchesini, P

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International Application No  
PCT/EP2004/005293

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ISSAQ H J ET AL: "The SELDI-TOF MS approach to proteomics: Protein profiling and biomarker identification"  <b>BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS</b> 2002 UNITED STATES,  vol. 292, no. 3, 2002, pages 587-592,  XP002290259  ISSN: 0006-291X  page 592, paragraph CONCLUSION</p> <p>-----</p>	1-19
Y	<p>JUNGBLUT P R ET AL: "PROTEOMICS IN HUMAN DISEASE: CANCER, HEART AND INFECTIOUS DISEASES"  ELECTROPHORESIS, WEINHEIM, DE,  vol. 20, no. 10, July 1999 (1999-07),  pages 2100-2110, XP000870393  ISSN: 0173-0835  page 2101, column 1, paragraph 2</p> <p>-----</p>	1-19
Y	<p>WULFKUHLE J D ET AL: "Proteomic approaches to the diagnosis, treatment, and monitoring of cancer"  2003, <b>ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY</b> 2003 UNITED STATES, VOL. 532,  PAGE(S) 59-68 , XP002290260  ISSN: 0065-2598  abstract</p> <p>-----</p>	1-19

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PCT/EP2004/005293

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